



MATERIAL SAFETY DATA SHEET

KEM CANADA MFG.
4 BLAIR DRIVE
BRAMPTON, ONTARIO
L6T 2H5
TEL# (905) 456-9444

EMERGENCY # CANUTEC (613) 996-6666
"USE IN CASE OF CHEMICAL EMERGENCY ONLY"

W.H.M.I.S. CLASSIFICATION: D2B

MATERIAL REFERENCE NO: 142500

SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/I.D.: HI TONE RESISTANCE # 140	
CHEMICAL NAME: NOT APPLICABLE	CHEMICAL FAMILY: FLOOR FINISH
CHEMICAL FORMULA: MIXTURE	MOLECULAR WEIGHT: MIXTURE
SYNONYMS: NONE	
MATERIAL USE: HIGH GLOSS FLOOR FINISH	

SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS INGREDIENTS	APPROX. % CONCENT.	TLV PPM	C.A.S. NUMBERS	LD 50 ORAL, RAT
DEG METHYL ETHER	1.0-5.0	NOT AVAILABLE	111-77-3	NOT AVAILABLE
DIBUTYL PHTHALATE	1.0-5.0	5 MG/M3	84-74-2	12,800 MG/KG

SECTION III - PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE: LIQUID		
ODOUR AND APPEARANCE: OPAQUE, CREAMY WHITE LIQUID; MILD, SWEET ODOUR		
ODOUR THRESHOLD (PPM)	SPECIFIC GRAVITY	VAPOUR PRESSURE (MM)
NOT AVAILABLE	1.03	NOT AVAILABLE
VAPOUR DENSITY (AIR=1)	EVAPORATION RATE	SOLUBILITY IN WATER
> 1	(n-BUTYL ACETATE=1) <1	(20°C) MISCIBLE
BOILING POINT (C)	FREEZING POINT (C)	% VOLATILE (BY VOLUME)
100	NOT AVAILABLE	82
pH (10% SOLUTION)	DENSITY (G/ML)	COEF.OF WATER/OIL DISTR
8.0-9.0	NOT APPLICABLE	NOT AVAILABLE



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SECTION IV - FIRE AND EXPLOSION HAZARD OF MATERIAL

FLAMMABILITY: NON-FLAMMABLE			
IF YES, UNDER WHICH CONDITIONS:			
MEANS OF EXTINCTION: WATER SPRAY, CARBON DIOXIDE, CHEMICAL FOAM			
SPECIAL PROCEDURES: WEAR FULL PROTECTIVE GEAR INCLUDING SELF-			
CONTAINED BREATHING APPARATUS FOR ALL CHEMICAL FIRES.			
FLASH POINT (C) AND METHOD: NONE			
HAZARDOUS COMBUSTION PRODUCTS: CARBON DIOXIDE, CARBON MONOXIDE,			
UNIDENTIFIED ORGANIC COMPOUNDS.			
UPPER EXPLOSION LIMIT	LOWER EXPLOSION LIMIT	AUTOIGNITION TEMP (C)	
NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	
EXPLOSION DATA SENSITIVITY	RATE OF BURNING	EXPLOSIVE POWER	
TO CHEMICAL IMPACT			
NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	
SENSITIVITY TO STATIC DISCHARGE: NOT AVAILABLE			

SECTION V - REACTIVITY DATA

CHEMICAL STABILITY: NORMALLY STABLE		
IF NO, UNDER WHICH CONDITIONS: EXCESSIVE HEAT AND FREEZING		
TEMPERATURES CAN AFFECT PRODUCT PERFORMANCE.		
INCOMPATIBILITY TO OTHER SUBSTANCES: YES		
IF SO, WHICH ONES: ACIDS. CONTAMINATION WITH OTHER PRODUCTS CAN RUIN		
THE FLOOR FINISH.		
REACTIVITY AND UNDER WHAT CONDITIONS: NOT KNOWN		
HAZARDOUS POLYMERIZATION WILL NOT OCCUR.		
HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION WILL YIELD		
CARBON DIOXIDE, CARBON MONOXIDE, UNIDENTIFIED ORGANIC COMPOUNDS.		

SECTION VI - HEALTH HAZARD DATA

ROUTE OF ENTRY:			
SKIN CONTACT: YES	SKIN ABSORPTION: YES	EYE CONTACT: YES	
INHALATION: YES	INGESTION: YES		



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| EFFECTS OF ACUTE EXPOSURE TO MATERIAL: |
| EYES-CONTACT MAY CAUSE IRRITATION |
| SKIN-PROLONGED OR REPEATED CONTACT MAY CAUSE IRRITATION, AND |
| POSSIBLY DERMATITIS. |
| INHALATION-PROLONGED OR REPEATED INHALATION OF VAPOURS OR MIST MAY |
| IRRITATE THE RESPIRATORY TRACT. |

| EFFECTS OF CHRONIC EXPOSURE TO MATERIAL: |
| NOT DETERMINED. |

| LD 50 OF MATL. | LC 50 OF MATL. | EXPOSURE LIMIT(S) | IRRITANCY OF MATL |
| NOT AVAILABLE | NOT AVAILABLE | NOT AVAILABLE | LOW |

| SENSITIZATION OF MATERIAL | SYNERGISTIC MATERIALS |
| NOT AVAILABLE | NOT AVAILABLE |

| CARCINOGENICITY, REPRODUCTIVE EFFECTS, TERATOGENICITY, MUTAGENICITY: |
| NONE KNOWN. |

SECTION VII - PREVENTIVE MEASURES

| PERSONAL PROTECTIVE EQUIPMENT: |

| GLOVES: IMPERVIOUS GLOVES |
| RESPIRATORY: NOT NORMALLY REQUIRED |
| EYE: CHEMICAL GOGGLES. |
| FOOTWEAR: NO SPECIAL REQUIREMENTS |
| CLOTHING: NO SPECIAL REQUIREMENTS. COVER EXPOSED SKIN. |
| OTHER: EYE WASH AND SAFETY SHOWER |
| ENGINEERING CONTROLS (EG VENTILATION, ENCLOSED PROCESS): NOT |
| NORMALLY REQUIRED. |

| LEAK AND SPILL PROCEDURE: PROVIDE ADEQUATE VENTILATION. CONTAIN |
| SPILL. TRANSFER TO SUITABLE CONTAINER FOR RECLAIM OR DISPOSAL. |
| ABSORB REMAINDER ON ABSORBANT AND PLACE IN CONTAINER FOR DISPOSAL. |
| WASH CONTAMINATED AREA WITH VOLUMES OF WATER. |

| WASTE DISPOSAL: |
| DISPOSE IN ACCORDANCE WITH LOCAL, PROVINCIAL AND FEDERAL REGULATIONS |



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SECTION VIII - FIRST AID MEASURES

PROCEDURES:
EYES-FLUSH IMMEDIATELY WITH RUNNING WATER FOR 15 MINUTES. GET MEDICAL ATTENTION.
SKIN-WASH THOROUGHLY WITH WARM WATER AND SOAP. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION.
INHALATION-REMOVE TO FRESH AIR. SEEK MEDICAL ATTENTION IF SYMPTOMS PERSIST.
INGESTION-GIVE VICTIM 1-2 GLASSES OF WATER. DO NOT GIVE FLUIDS IF PERSON IS UNCONSCIOUS OR CONVULSING. GET MEDICAL ATTENTION.

SOURCES USED: RAW MATERIAL SUPPLIER'S MATERIAL SAFETY DATA SHEETS

ADDITIONAL INFORMATION: NONE

SECTION IX - TDG SHIPPING INFORMATION

SHIPPING NAME	CLASS	UN NO.	PACKING GROUP
NOT REGULATED			

HANDLING PROCEDURES AND EQUIPMENT: AVOID CONTACT WITH EYES AND SKIN. WASH THOROUGHLY AFTER HANDLING.

STORAGE REQUIREMENTS: STORE IN A COOL, DRY AREA AWAY FROM INCOMPATIBLE MATERIALS. KEEP CONTAINER CLOSED WHEN NOT IN USE. AVOID EXCESS HEAT. KEEP FROM FREEZING.

SPECIAL SHIPPING INFORMATION: NONE

SECTION X - HMIS HAZARD RATING INFORMATION

FLAMMABILITY	REACTIVITY	HEALTH
0	0	1

SECTION XI - PREPARATION DATE OF MSDS

PREPARED BY: TECHNICAL DEPARTMENT TELEPHONE # (905) 456-9444
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